

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/33423

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G02B6/34 H04J14/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02B H01S H04J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	YOSHIKUNI Y: "Semiconductor optical devices for WDM networks" 10TH INTERN. CONF. ON INDIUM PHOSPHIDE AND RELATED MATERIALS, TSUKUBA, JAPAN, IEEE, 11 - 15 May 1998, pages 18-21, XP010295350 ISBN: 0-7803-4220-8 the whole document	1-30
X	WO 98 32196 A (TELLIUM INC) 23 July 1998 (1998-07-23) abstract page 1, line 24 -page 2, line 23 page 3, line 5 - line 7 page 4, line 26 -page 10, line 23	1-30

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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G document member of the same patent family.

Date of the actual completion of the international search

10 June 2003

Date of mailing of the international search report

25/06/2003

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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9832196	A	23-07-1998	CA 2278482 C	04-06-2002
			EP 1008211 A1	14-06-2000
			US 5946331 A	31-08-1999
			WO 9832196 A1	23-07-1998
